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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	Document	Date	Country	Class	Sub Translation		slation
	number				class	Yes	No
a c	97/07668	3/6/97	PCT				
1/1	07/07669	3/6/97	PCT				

464.245	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
de :	Jose B. Cibelli, et al., Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts, Science, Vol. 280, May 22, 1998, pp. 1256-1258.
-	Angelika E. Schnieke, et al., Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts, Science, Vol. 278, December 19, 1997, pp. 2130-2133.
0	J. Wilmut, et al., Viable Offspring Derived From Fetal and Adult Mammalian Cells, Nature, Vol., 385, February 27, 1997, pp. 810-813.
2	Yoko Kato, et al., Eight Calves Cloned From Somatic Cells of a Single Adult, Science, Vol. 282, December 11, 1998, pp. 2095-2098.
3	X. Vignon, et al., Development Potential of Bovine Embryos Reconstructed With Somatic Nuclei From Cultured Skin and Muscle Fetal Cells, Theriogenology, p. 392
•	D.N. Wells, et al., Production of Cloned Bovine Fetuses Following Nuclear Transfer Using Cells From A Fetal Fibroblast Cell Line, Theriogenology, p. 330.
- 3	V. Zakhartchenko, et al., Effects of Serum Starvation and Re-cloning on the Efficiency of Nuclear Transfer Using Bovine Fetal Fibroblasts, Journal of Reproduction and Fertility (1999), Vol. 115, pp. 325-331.
	Chikara Kubota, et al., Six Cloned Calves Produced From Adult Fibroblast Cells After Long-term Culture, PNAS February 1, 2000, Vol. 97, No. 3, pp. 990-995.
e	K. Shiga, et al., Production of Calves By Transfer of Nuclei From Cultured Somatic Cells Obtained From Japanese Black Bulls, Theriogenology, 1999, Vol. 52, pp. 527-535.
•	Alexander Baguisi, et al., Production of Goats By Somatic Cell Nuclear Transfer, Nature Biotechnology, Vol. 17, May 1999, pp. 456-461.
	T. Wakayama, et al., Full-term Development of Mice From Enucleated Oocytes Injected With Cumulus . Cell Nuclei, Nature, Vol. 394, July 23, 1998, pp. 369-374.
`	Keith H.S. Campbell, Nuclear Equivalence, Nuclear Transfer, and the Cell Cycle, Cloning, Volume 1, Number 1, 1999, pp. 3-15.
	Philippe Collas, et al., Factors Affecting the Efficiency of Nuclear Transplantation in the Rabbit Embryo, Biology of Reproduction, 1990, Vol. 43, pp. 877-884.

Examiner:		Crench	Date Considered:	9/20/02	
EXAMINER:	Initial if citation cor	nsidered, whether or not o	citation is in conformance	e with MPEP §609;	Draw line through
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<u></u>	OTHE	ED DOCUMEN	ITS (Including	Author, Title, Date, Per	tinent Par	res Etc.)	<u> </u>	
de	Karl Swann,	et al., A Novel	Signalling Med	chanism For Generating 5, pp. 371-378.			Fertilization in	
	Theriogenolo	gy, 1996, Vol.	45, pp. 91-100	eptors and Agents That).				
	Stimulation, I	Development,	1990, Vol. 109		Diction I			
	Transition of		es to Embryoni	tein Kinases After An Ir c Cycles Without Meioti				
	S.M. Mitalipo	v, Developme	nt of Nuclear T	ransfer and Parthenoge by, et al., 1999, Vol. 60,			s Activated With	
				laturation-Promoting Fa ion of Bovine Oocytes,				
	X. Yang, et a Rabbit Embry	os In Vitro an	d In Vivo Follo	edium Treatment For En wing Sucrose Treatmen ediate-Sized Filaments	t, 1990, \	√ol. 27, pp.	110-117.	

R.S. Prather, et al., Cell Cycle Analysis of Cultured Porcine Mammary Cells, Cloning, 1999, Vol. 1, Number 1, pp. 17-24.

Jean-Paul Renard, et al., Lymphoid Hypoplasia and Somatic Cloning, The Lancet, May 1, 1999, Vol. 353, pp. 1489-1491.

Date Considered (2000)

in Cultured Cells From Diverse Vertebrates, Experimental Cell Research 123, 1979, pp. 25-46.

Werner W. Franke, et al., Widespread Occurrence of Intermediate-Sized Filaments of the Vimentin-Type

Andrew C. Boguest, et al., Flow Cytometric Cell Cycle Analysis of Cultured Porcine Fetal Fibroblast Cells,

Microscopy, October 1978, Vol. 75, No. 10, pp. 5034-5038.

Biology of Reproduction, 1999, Vol. 60, pp. 1013-1019.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	Teruhiko V	Vakaya	ma, et al., Cloning of M	lale Mice From Adult Tail	-Tip Cells	s, Nature Ge	enetics, Jun	e 1999
	Vol. 22, pp			ad Oaksaa Fallansia - Alee	ala an Tras	ofor Mith C	المالة المعاملة المالة	ıla Barres
				ied Calves Following Nuc n, 1999, Vol. 60, pp. 996-		isier vvitn C	uiturea Aat	nt Mura
				Cycle Stage Affects Dev		al Compete	nce of Bovi	ne
	Nuclear Tr	ansfer	Embryos, Theriogenolo	gy, 1993, Vol. 39, p. 318		4,414.474		n.
				opmental Consequences				
ļ	962.	FIFST IV	INOTIC GEIL GYCIE OF BOV	ine Parthenotes, Biology	orkepro	auction, 199	∌o, ∨ol. 38,	pp. 954
		/an de	Velde, et al., Cell Alloc	ation and Chromosomal	Complen	ent of Parti	nenogenetic	and I

Giorgio A. Presicce, et al., Nuclear Dynamics of Parthenogenesis of Bovine Oocytes Matured in Vitro for 20 and 40 Hours and Activated With Combined Ethanol and Cycloheximide Treatment, 1994, Vol. 37, pp. 61-68.

Molec. Reprod. Devel. Mario R. Capecchi, How Close Are We to Implementing Gene Targeting in Animals Other Than the Mouse?; PNAS, February 1, 2000, Vol. 97, No. 3, pp. 956-957.

Examiner:

Bovine Embryos, 1999, Vol. 54, pp. 57-62.

Culture, and Embryo Transfer, 1993, Vol. 35, pp. 29-36.

Date Considered:

Xiangzhong Yang, et al., Nuclear Transfer in Cattle: Effect of Nuclear Donor Cells, Cytoplast Age, Co-

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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